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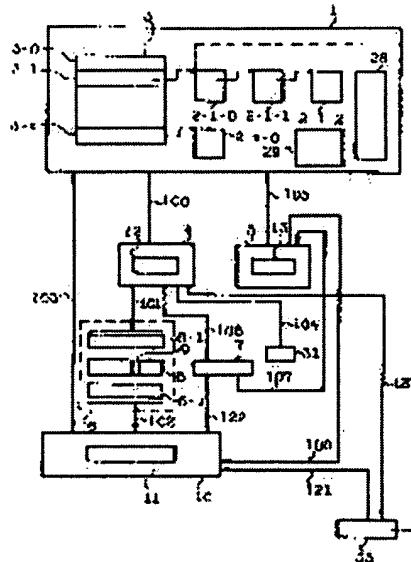
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(54) DISPATCHING CONTROL SYSTEM FOR VIRTUAL COMPUTER

(57)Abstract:

PURPOSE: To reduce an overhead by selecting and starting a virtual processor that is run next based on the running priority designated by a VMCP.

CONSTITUTION: A PSW 8 is set under a waiting state by an OS on a running virtual processor. In other words, an instruction which sets a wait bit 9 at '1' is outputted to an instruction executing circuit 4 via a line 100. Thus the bit 9 of the PSW 8 is set at '1' via a line 101 in case said instruction can be executed directly by the circuit 4 and an instruction executing microprogram 12. Then a virtual processor state saving mechanism 10 is started by a line 102 to save the state of a virtual processor together with a virtual processor state saving microprogram 11. Thus it is possible to drive the virtual processor that satisfies the running conditions with an inactive processors excepting for the corresponding processor.

LEGAL STATUS

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